



## MATERIAL SAFETY DATA SHEET ANTI-BORAX No. 2

DATE REVISED: February 23, 2004



**Product Name:** Anti-Borax No. 2

**Manufacturer:** Superior Flux & Mfg. Co. 6615 Parkland Blvd. Cleveland, OH 44139

**Emergency Phone Number: 1-800-424-9300 (CHEMTREC)**

**Other Information Calls:** (440) 349-3000

**To the Purchaser:** This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

**H.M.I.S. INFORMATION: HEALTH = 1      FLAMMABILITY = 0      REACTIVITY = 0**

### SECTION I - IDENTIFICATION

**Common Name:** Anti-Borax No. 2

**Chemical Name:** NA

**Chemical Family:** High Temperature Brazing Powder Flux

**CAS Number:** NA

**Formula:** See Below

### SECTION II - COMPOSITION INFORMATION

<u>Components</u>	<u>CAS Number</u>	<u>%</u>	<u>OSHA PEL</u>
Boric Acid	10043-35-3	70-90	10 PPM
Borax	1303-96-4	10-30	10 PPM

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

### SECTION III - HEALTH HAZARDS

#### EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Flush with Water for 10 Minutes. Call a Physician.

**Skin:** Wash Thoroughly with Water.

**Inhalation:** Remove to Fresh Air or Administer Oxygen. Call Physician.

**Ingestion:** If Patient is Fully Conscious, Give Large Amounts Water. Obtain Medical Attention Immediately.

**Primary Routes of Entry:** Fume Inhalation, Ingestion, Skin, and Eyes.

**Symptoms of Overexposure:** Nausea, Vomiting, Abdominal Pain, Mucous Membrane Irritation, Reddening of Skin and Rash.

**Medical Conditions Generally Aggravated by Overexposure:** Any Weakness of the Central Nervous System

**Chemical Listed as a Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** 10 PPM

**ACGIH Threshold Limit Value (TLV):** 10 PPM

*Superior manufactures quality fluxes. Our business is solving problems.*



## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** None

**Flammable Limits:** Lower-NA Upper-NA

**Extinguishing Media:** Not Needed

**Auto Ignition Temperature:** None

**Special Fire Fighting Procedures:** Normal Caution When Dealing with Chemicals

**Unusual Fire and Explosion Hazards:** Boric Oxide Fumes.

## SECTION V - ACCIDENTAL RELEASE MEASURES

**Steps to be Taken in Case Material is Spilled:** Clean up Powder and Flush Remaining Material with Lots of Water

## SECTION VI - HANDLING AND STORAGE

**Storage Requirements:** Store in Plastic Containers in Cool Area. Avoid Contact with Eyes, Skin, and Clothing. Wash Thoroughly After Handling.

**Handling Precautions:** Keep Containers Away for Excessive Heat.

## SECTION VII - CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH Approved Respirator. **Ventilation:** Yes

**Mechanical (General):** Yes

**Local Exhaust:** Yes

**Protective Gloves:** Recommended, NIOSH Approved

**Eye Protection:** Safety Glasses

**Other Protective Clothing or Equipment:** Rubber Apron

## SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA

**Specific Gravity (Water = 1):** NA

**Vapor Pressure (mm Hg):** NA

**Percent Volatile by Volume:** 0%

**Vapor Density (Air = 1):** NA

**Evaporation Rate (Butyl Acetate = 1):** NA

**Melting Point:** 400°C/750°F

**Solubility in Water:** Moderate (Hot Water)

**Reactivity in Water:** None

**Appearance and Odor:** White Odorless Powder

## SECTION IX - STABILITY AND REACTIVITY

**Stability:** Product is Stable

**(Conditions to Avoid):** Excessive Heat

**Incompatibility:** None

**Hazardous Decomposition Products:** Boric Oxide Fumes.

**Hazardous Polymerization:** Will Not Occur

**(Conditions to Avoid):** Excessive Heat

## SECTION X- TRANSPORTATION AND DISPOSAL

**D.O.T. Proper Shipping Name:** Non-Hazardous

**Hazard Class:** NA

**Identification Number:** NA

**Packing Group:** NA

**Type D.O.T Label Required Information:** NA

**Waste Disposal Method:** Dispose of in Accordance with EPA Regulations.

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